Fig. 1

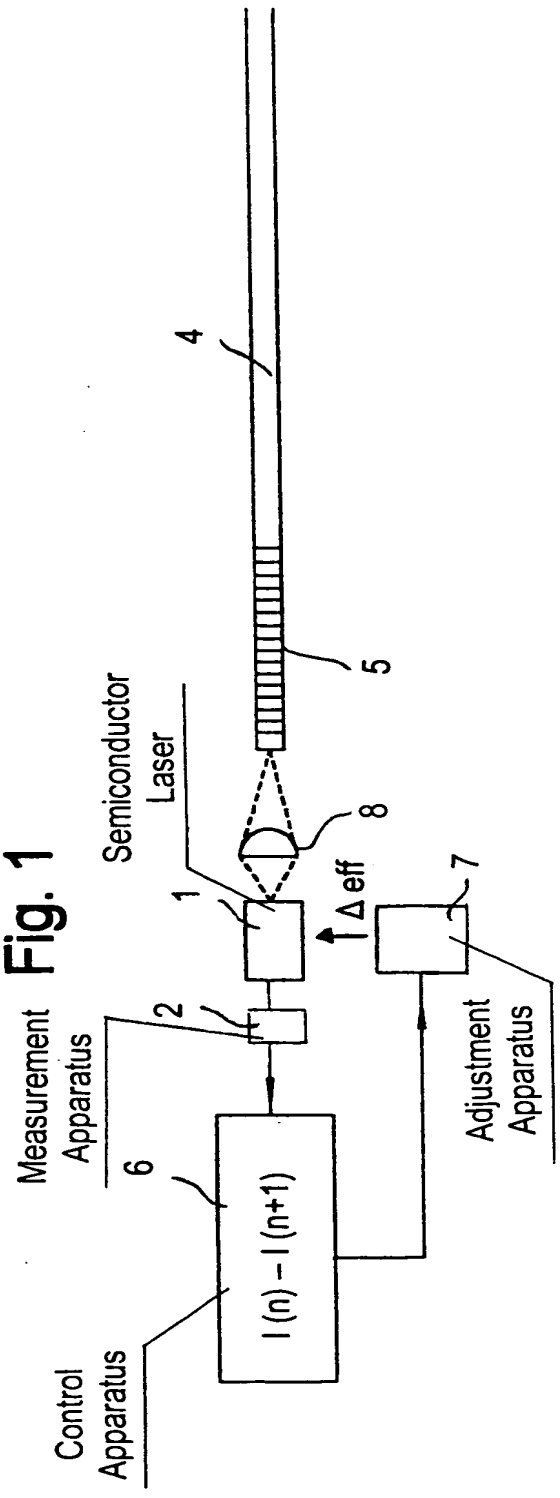

Semiconductor Laser
Measurement Apparatus
Control Apparatus
Adjustment Apparatus
I (n) – I (n+1)
Δ eff
1
2
4
5
6
7
8

Fig. 2

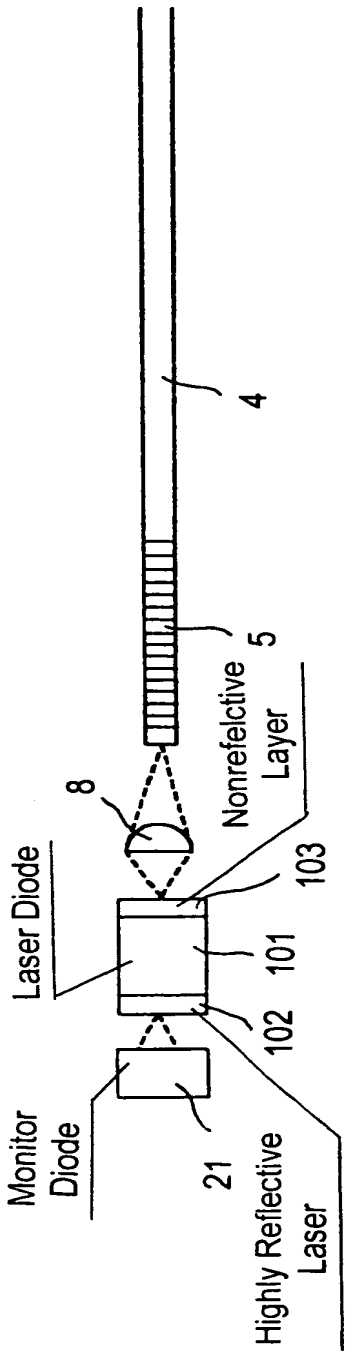

Laser Diode
Monitor Diode
Nonrefelctive Layer
Highly Reflective Laser
4
5
8
21
101
102
103

Fig. 3

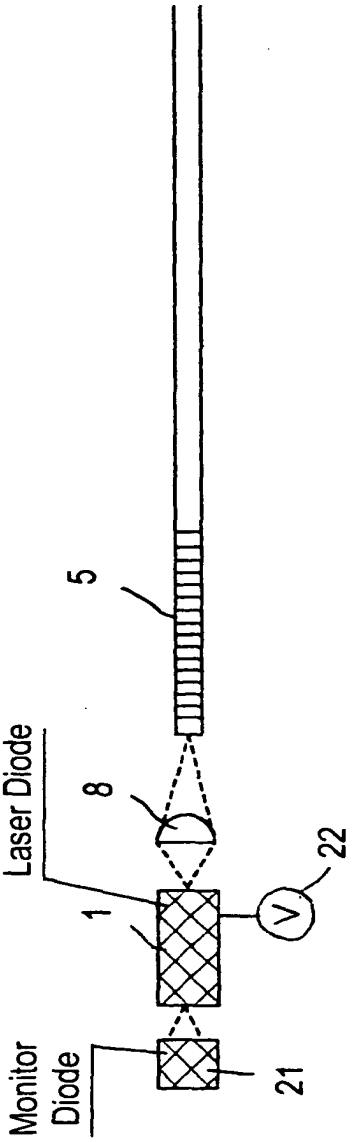


Fig. 4

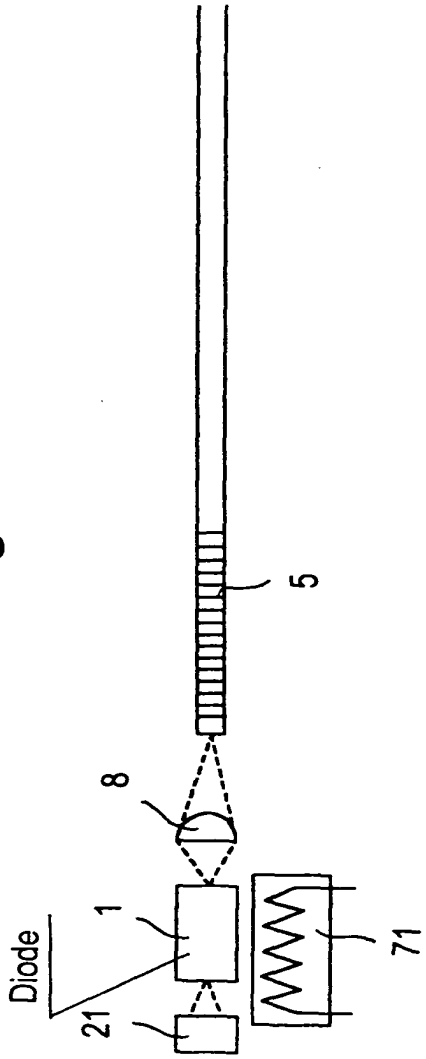


Fig. 5

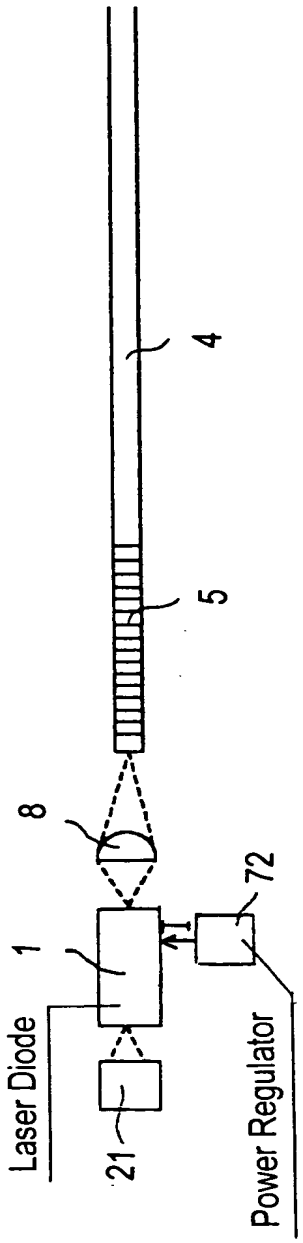
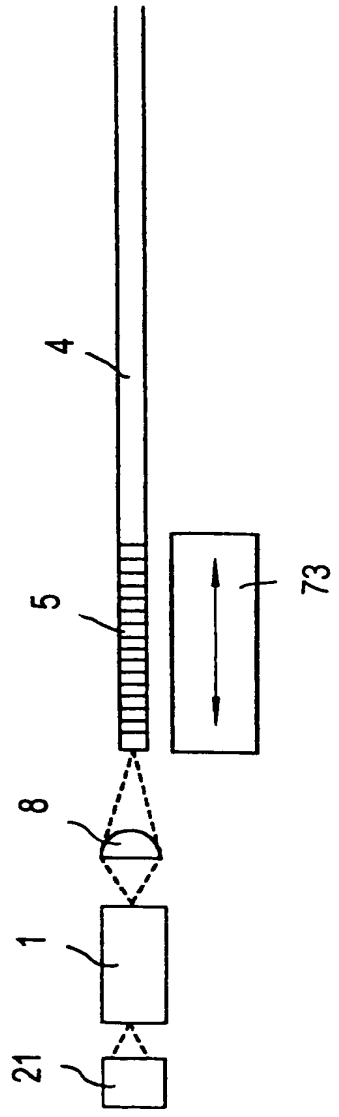


Fig. 6



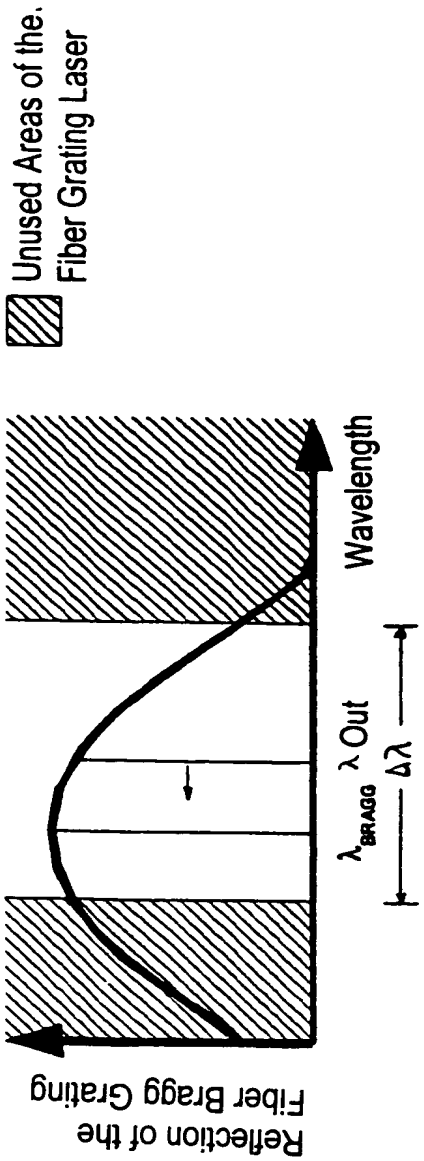

Unused Areas of the
Fiber Grating Laser
Reflection of the
Fiber Bragg Grating
Wavelength
λ_{BRAGG} λ Out
$\Delta\lambda$

Fig. 7

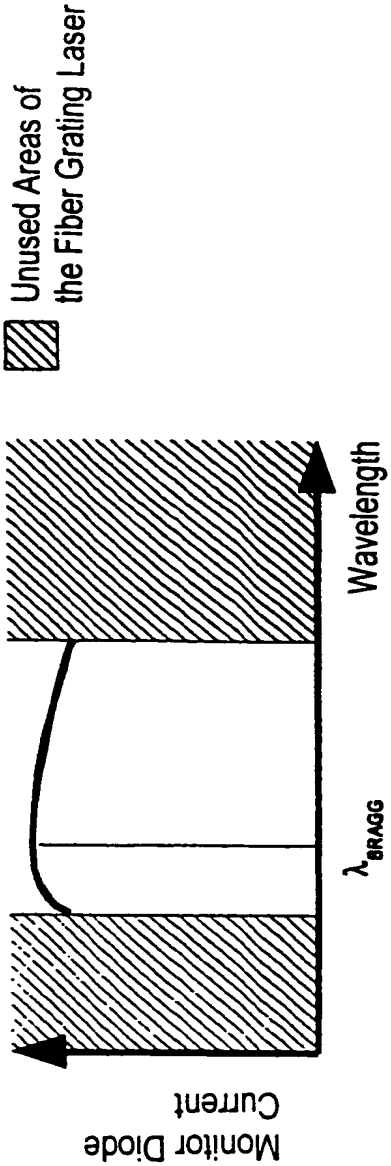

Unused Areas of
the Fiber Grating Laser
Monitor Diode
Current
Wavelength
λ_{BRAGG}

Fig. 8

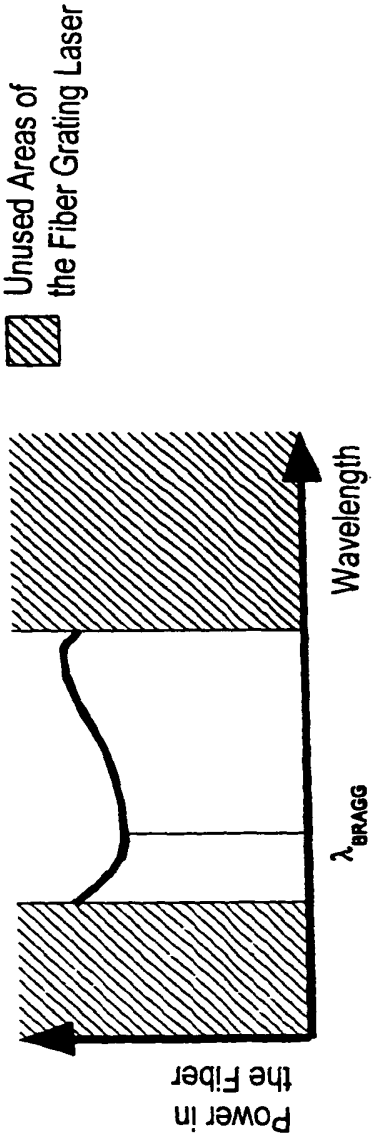

Unused Areas of
the Fiber Grating Laser
Power in
the Fiber
Wavelength
λ_{BRAGG}

Fig. 9

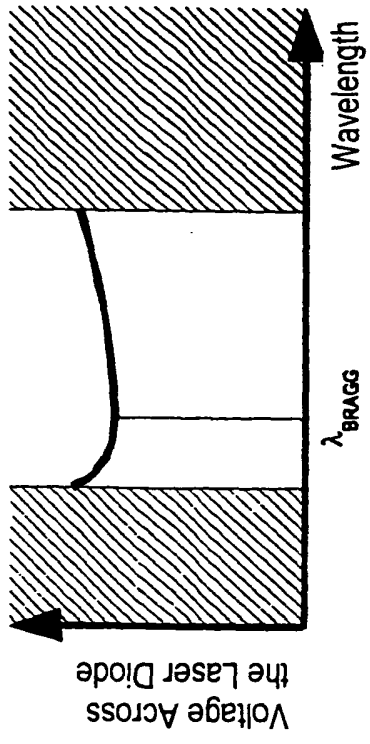

Unused Areas of the
Fiber Grating Laser
Voltage Across
the Laser Diode
Wavelength
λ_{BRAGG}

Fig. 10

Fig. 11

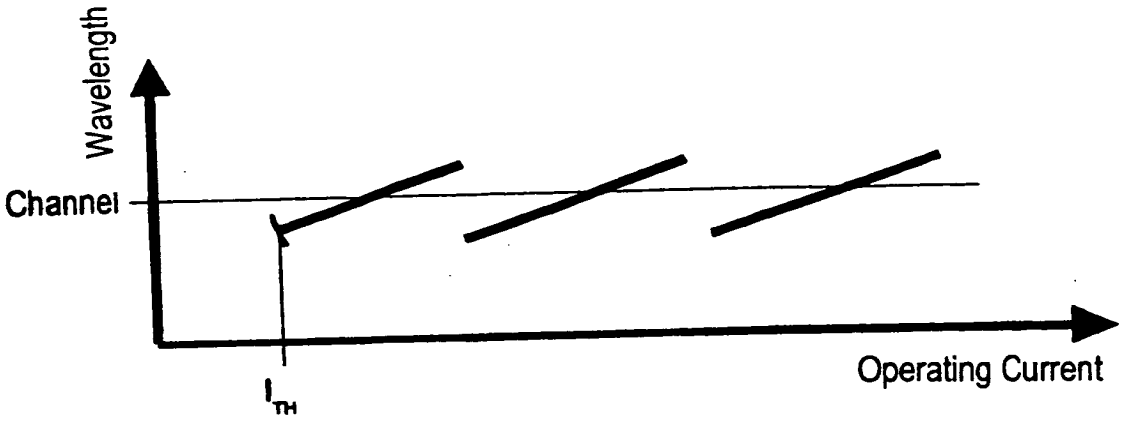

Wavelength
Channel
Operating Current
I_{TH}

Fig. 12

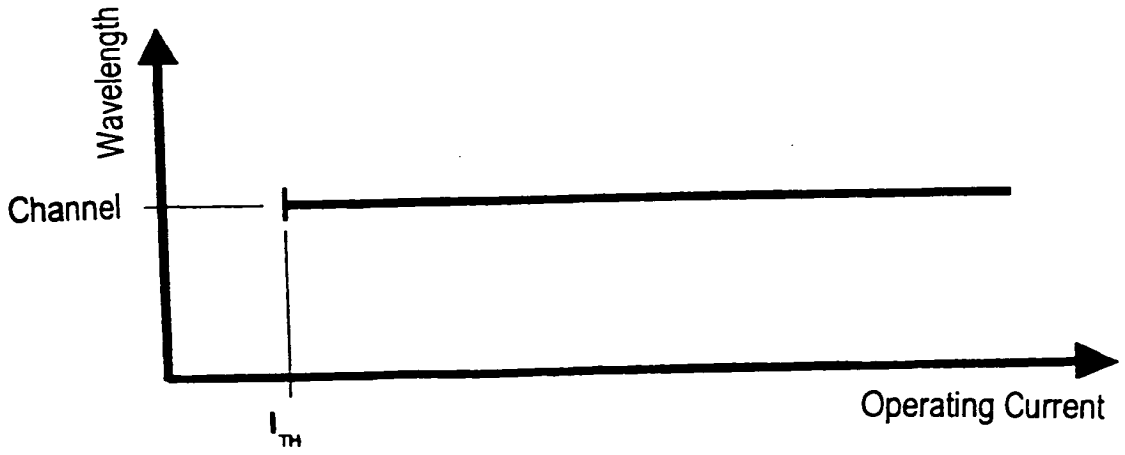

Wavelength
Channel
Operating Current
I_{TH}

Fig. 13

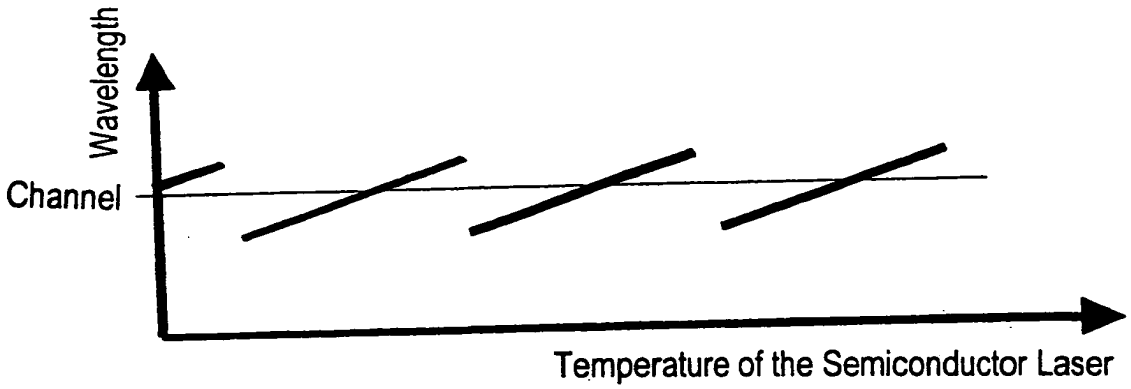
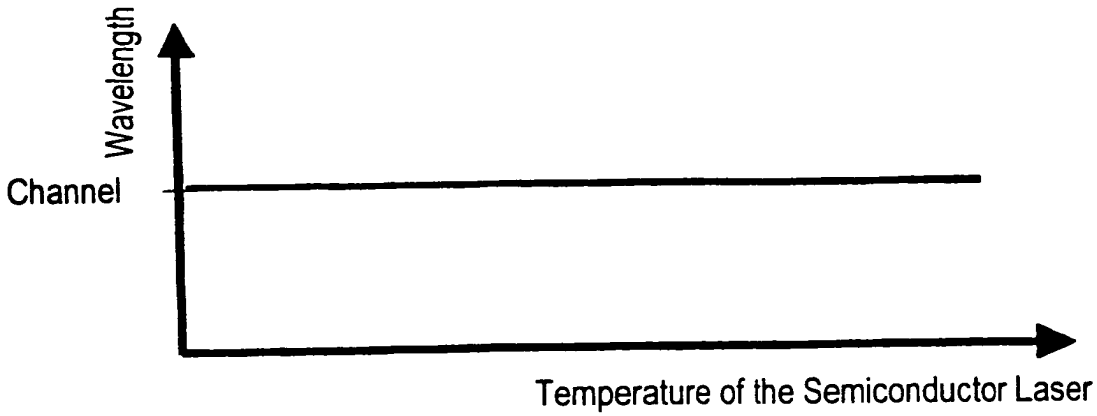

Wavelength
Channel
Temperature of the Semiconductor Laser

Fig. 14


Wavelength
Channel
Temperature of the Semiconductor Laser